

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 0553-0494
INTERNATIONAL APPLICATION NO. PCT/JP2005/017223	INTERNATIONAL FILING DATE September 13, 2005	U.S. APPLICATION NO. If known, see 37 CFR 1.5 <b>107576177</b> PRIORITY DATE CLAIMED September 15, 2004
TITLE OF INVENTION Semiconductor Device		
APPLICANT(S) FOR DO/EO/US Yoshinari Higaki, Masayuki Sakakura, Shunpei Yamazaki		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 3).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau),</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4))</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<p><b>Items 11 to 20 below concern documents or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input checked="" type="checkbox"/> A substitute specification. Specification, abstract and claims 60 pages, 14 sheets of drawings and 3 pages of explanation of references.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/576177</b>		INTERNATIONAL APPLICATION NO. PCT/JP2005/017223		ATTORNEY'S DOCKET NUMBER 0553-0494																																																																																																																																		
20. Other items or information: <input checked="" type="checkbox"/> PCT Search Report <input checked="" type="checkbox"/> PCT Written Report																																																																																																																																						
The following fees have been submitted <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2"></th> <th style="text-align: right;">CALCULATIONS</th> <th style="text-align: right;">PTO USE ONLY</th> </tr> <tr> <td colspan="2">21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) .....</td> <td style="text-align: right;">\$ 300</td> <td style="text-align: right;">\$ 300.00</td> </tr> <tr> <td colspan="2">22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 All other situations ..... \$200</td> <td style="text-align: right;">\$ 200.00</td> <td></td> </tr> <tr> <td colspan="2">23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))  If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the USA by the IB ..... \$400 All other situations ..... \$500</td> <td style="text-align: right;">\$ 400.00</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>TOTAL OF 21, 22 and 23 =</b></td> <td style="text-align: right;"><b>\$ 900.00</b></td> <td></td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 37 CFR 1.492(j)) The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td colspan="3">RATE</td> </tr> <tr> <td>77 -100 =</td> <td>/50 =</td> <td>0</td> <td colspan="3" style="text-align: right;">x \$250</td> </tr> <tr> <td colspan="6" style="text-align: center;">\$ 0</td> </tr> <tr> <td colspan="6">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> </tr> <tr> <td colspan="2">CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td colspan="2">RATE</td> </tr> <tr> <td>Total claims</td> <td>54</td> <td>-20 =</td> <td>34</td> <td>x \$50</td> <td style="text-align: right;">\$ 1,700.00</td> </tr> <tr> <td>Independent claims</td> <td>6</td> <td>-3 =</td> <td>3</td> <td>X \$200</td> <td style="text-align: right;">\$ 600.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td></td> <td>+ \$360</td> <td style="text-align: right;">\$ 360.00</td> </tr> <tr> <td colspan="5" style="text-align: center;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td style="text-align: right;"><b>\$ 3,560.00</b></td> </tr> <tr> <td colspan="6"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.</td> </tr> <tr> <td colspan="6" style="text-align: right;"><b>SUBTOTAL =</b> <b>\$ 3,560.00</b></td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> </tr> <tr> <td colspan="6" style="text-align: right;"><b>TOTAL NATIONAL FEE =</b> <b>\$ 3,560.00</b></td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="6" style="text-align: right;"><b>TOTAL FEES ENCLOSED =</b> <b>\$ 3,600.00</b></td> </tr> <tr> <td colspan="6">       Amount to be refunded:  <input type="checkbox"/>       \$ _____     </td> </tr> <tr> <td colspan="6">       Amount to be charged:  <input type="checkbox"/>       \$ _____     </td> </tr> </table>								CALCULATIONS	PTO USE ONLY	21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) .....		\$ 300	\$ 300.00	22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 All other situations ..... \$200		\$ 200.00		23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))  If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the USA by the IB ..... \$400 All other situations ..... \$500		\$ 400.00		<b>TOTAL OF 21, 22 and 23 =</b>		<b>\$ 900.00</b>			<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 37 CFR 1.492(j)) The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE			77 -100 =	/50 =	0	x \$250			\$ 0						Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).						CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE		Total claims	54	-20 =	34	x \$50	\$ 1,700.00	Independent claims	6	-3 =	3	X \$200	\$ 600.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$ 360.00	<b>TOTAL OF ABOVE CALCULATIONS =</b>					<b>\$ 3,560.00</b>	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.						<b>SUBTOTAL =</b> <b>\$ 3,560.00</b>						Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).						<b>TOTAL NATIONAL FEE =</b> <b>\$ 3,560.00</b>						Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property						<b>TOTAL FEES ENCLOSED =</b> <b>\$ 3,600.00</b>						Amount to be refunded: <input type="checkbox"/> \$ _____						Amount to be charged: <input type="checkbox"/> \$ _____					
		CALCULATIONS	PTO USE ONLY																																																																																																																																			
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) .....		\$ 300	\$ 300.00																																																																																																																																			
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 All other situations ..... \$200		\$ 200.00																																																																																																																																				
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))  If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the USA by the IB ..... \$400 All other situations ..... \$500		\$ 400.00																																																																																																																																				
<b>TOTAL OF 21, 22 and 23 =</b>		<b>\$ 900.00</b>																																																																																																																																				
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 37 CFR 1.492(j)) The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																																																																																																						
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																																																																			
77 -100 =	/50 =	0	x \$250																																																																																																																																			
\$ 0																																																																																																																																						
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).																																																																																																																																						
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE																																																																																																																																		
Total claims	54	-20 =	34	x \$50	\$ 1,700.00																																																																																																																																	
Independent claims	6	-3 =	3	X \$200	\$ 600.00																																																																																																																																	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$ 360.00																																																																																																																																	
<b>TOTAL OF ABOVE CALCULATIONS =</b>					<b>\$ 3,560.00</b>																																																																																																																																	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.																																																																																																																																						
<b>SUBTOTAL =</b> <b>\$ 3,560.00</b>																																																																																																																																						
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).																																																																																																																																						
<b>TOTAL NATIONAL FEE =</b> <b>\$ 3,560.00</b>																																																																																																																																						
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																																																																																																																																						
<b>TOTAL FEES ENCLOSED =</b> <b>\$ 3,600.00</b>																																																																																																																																						
Amount to be refunded: <input type="checkbox"/> \$ _____																																																																																																																																						
Amount to be charged: <input type="checkbox"/> \$ _____																																																																																																																																						

10/576177

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

10/20/06 06/17/06 19 APR 2006

- a.  A check in the amount of \$ 3,600.00 to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50/1039. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Edward D. Manzo  
Cook, Alex, McFarron, Manzo, Cummings & Mehler, Ltd.  
200 West Adams Street  
Suite 2850  
Chicago, Illinois 60606  
Customer No. 26568



SIGNATURE

Mark J. Murphy

NAME

34,225

REGISTRATION NUMBER

"Express Mail" Mailing Label No. EV 829838424  
Date of Deposit April 19, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Name: ARMANDO CHING  
(typed or printed)

Signature Armando Ching